

REMARKS

Entry of the present amendments prior to examination is respectfully requested. By this Amendment, claims 2-19 have been canceled, and claims 20-31 have been added. Claims 1 and 20-31 are pending.

The specification has been amended to correct various typographical errors, and to include SEQ identifiers consistent with the Sequence Listing data in the parent application. New claims 20-31 are supported by the original application disclosure in at least the following locations:

Feature	Claims	Basis in Specification
Kit	20-31	Page 19, line 29 to page 20, line 11
Probes with similar free energies of duplex formation or of same stringency class	20, 26	Page 16, line 11 to page 19, line 8; page 17, line 32 to page 18, line 5
Number of probes per stringency class	20, 21, 26, 28	Page 17, lines 17-22
Probe lengths	20, 24, 26, 31	Page 8, line 9 Page 17, line 17 Example 1 Page 4, line 28 Page 8, line 9 Claims 18 & 19
Annealing temperatures	22, 23, 29, 30	Page 17, line 3; page 22, lines 17-23 (Example 1)
Templates	27	Page 11, lines 11-18.
Initializing oligonucleotides	25, 27	Page 6, line 17 to page 8, line 3; Figure 1.
Initializing oligo 20-30nt in length	25	Page 7, lines 31-32

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In addition, enclosed is an abstract which better reflects the subject matter of claims 20-31. No new matter is added by any of the amendments.

Respectfully submitted,

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